
SYSTEM AND METHOD FOR RESTORING A FILE SYSTEM FROM BACKUPS IN THE PRESENCE OF DELETIONS

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ABSTRACT OF THE INVENTION

A system and associated method restore a file system from incremental backups in the presence of deletion, without restoring deleted files. This is accomplished by logging the deletions in a deletion log. Using the deletion log, the system re-deletes the deleted files upon a restore operation to an incremental backup epoch. The system the logs deletions so that the files that were deleted and survived a backup epoch have their records logged. The activity log enables an incremental backup from a prior snapshot, and represents a point-in-time version of the file system. The system can either not restore the deleted files, or, alternatively, it can restore the deleted files and then re-deletes them.